

Title (en)

Air/fuel ratio control method for a lean burn combustion engine

Title (de)

Steuerverfahren für das Luft-/Kraftstoffverhältnis einer Brennkraftmaschine mit Magergemischverbrennung

Title (fr)

Méthode de commande du rapport air/carburant d'un moteur à combustion interne à combustion pauvre

Publication

EP 1134394 A3 20041222 (EN)

Application

EP 01302354 A 20010314

Priority

US 52804900 A 20000317

Abstract (en)

[origin: EP1134394A2] An engine control system of an internal combustion engine coupled to a NOx trap (72) uses a measured air-fuel ratio downstream of the NOx trap (72) to control engine air-fuel ratio. The measured air-fuel is only used for feedback when it indicates a value away from stoichiometry. Thus, NOx and oxygen storage effects that cause inlet air-fuel ratio to be different from exit air-fuel ratio do not cause degraded feedback air-fuel ratio control. <IMAGE>

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IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

- [X] EP 0636770 A1 19950201 - TOYOTA MOTOR CO LTD [JP]
- [X] DE 19912832 A1 19990930 - DENSO CORP [JP]
- [A] EP 0884458 A2 19981216 - NISSAN MOTOR [JP]
- [A] EP 0814248 A2 19971229 - NGK INSULATORS LTD [JP]

Designated contracting state (EPC)

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